

## Product Update

### Move data cost-effectively over existing networks

#### *Trendmaster® 2000 for Windows Net DDE interface*

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**B**ently Nevada recognizes the value in moving data rather than people. We also recognize your need to do this cost-effectively. Our new Net DDE interface for Trendmaster 2000 for Windows is an ideal solution. It provides a cost-effective way for you to integrate and share your Trendmaster 2000 for Windows asset condition information with other Net DDE applications. This is easily done over existing networks, which helps plant personnel make timely and optimum business decisions.

We live in an information age where having the right information, in the right place, and at the right time is necessary to stay competitive. Trendmaster 2000

for Windows provides the right information. The new Net DDE interface provides an additional cost-effective way to communicate it to the right people, at the right time. The Net DDE interface is also an effective tool for combining and correlating condition information with other plant information. You can identify and eliminate fundamental cause problems more quickly and consistently.

In the past, Trendmaster 2000 for Windows information was available to other applications through our Modbus® interface. This interface was commonly used to move data to a distributed control system and integrate it with process data. This method works but is expensive and cumbersome, congesting the control system. The Net DDE interface is more cost-effective and flexible. Any Net DDE compatible application run-

ning on the same information network has access to the information. Nearly all DCS suppliers have, or are developing, data sharing and "open" systems including a Net DDE capability.

#### **Net DDE: inexpensive data integration**

Net DDE (Dynamic Data Exchange) is a feature of Microsoft Windows, Windows 95 and Windows NT. Programs that support Net DDE can easily exchange data, either on demand or automatically. For instance, a spreadsheet, running on one computer, can use Net DDE to import data from an application running on another computer. If the program that supplies the data supports *hot links*, it can automatically update other network computers as its data changes. Many powerful programs support Net DDE; for instance, Micro-

soft Excel and Word, Wonderware Intouch, Oil Systems PI, and Trendmaster 2000 for Windows.

Trendmaster 2000 for Windows uses Net DDE to make its static and alarm data available to other networked computers. The data is time stamped, with an accuracy of one second. Trendmaster 2000 for Windows supports hot links, so it can automatically update the applications that you use to track asset condition, as the data changes.

The valuable information acquired through the Trendmaster 2000 for Windows System can be communicated to many people, including Managers, Machinery Specialists, Maintenance Planners — and Operators. Its data is widely available, in four different ways:

- Over a network, to a Trendmaster 2000 for Windows display application.
- Over telephone lines, to a remote Trendmaster 2000 for Windows display application.
- On operator control screens, through its Modbus interface.
- Over a network, to any computer program which supports Net DDE.

### The Trendmaster® 2000 for Windows System

Bently Nevada's Trendmaster® 2000 for Windows System was designed to be a cost-effective data acquisition and diagnostic system for general-purpose machines, as well as other assets. It helps you solve more problems in less time by

#### Net DDE and data exchange

Net DDE (Dynamic Data Exchange) is a protocol for communication between applications. It is supported by Microsoft Windows for Workgroups, Windows 95 and Windows NT.

A Trendmaster® 2000 for Windows server sends updated information to a client program in one of two ways:

*Cold link* - the Trendmaster 2000 for Windows server sends data to the client only when the client requests it.

*Hot link* - the Trendmaster 2000 for Windows server automatically sends data to the client whenever the data changes. ■

frequently and automatically collecting reliable data. It quickly identifies and communicates potential problems through alarming, and helps you efficiently determine a course of action. You are able to make informed decisions and focus maintenance efforts. In addition, quick distress recognition, due to frequent sampling and feedback to operations people, significantly increases your ability to find and eliminate the fundamental causes of problems. This will enable continuous improvement in asset reliability and maintenance cost reduction efforts.

The system reduces the risk of safety and environmental incidents. By frequently and reliably collecting data and quickly determining asset condition, the risk of unexpected failure and subsequent incidents is reduced. The system also reduces the risk to plant personnel by minimizing their exposure to hazardous conditions. The automated system ensures the data is available and helps you to focus troubleshooting and maintenance efforts. ■

*Modbus®* is a registered trademark of Modicon, Inc.

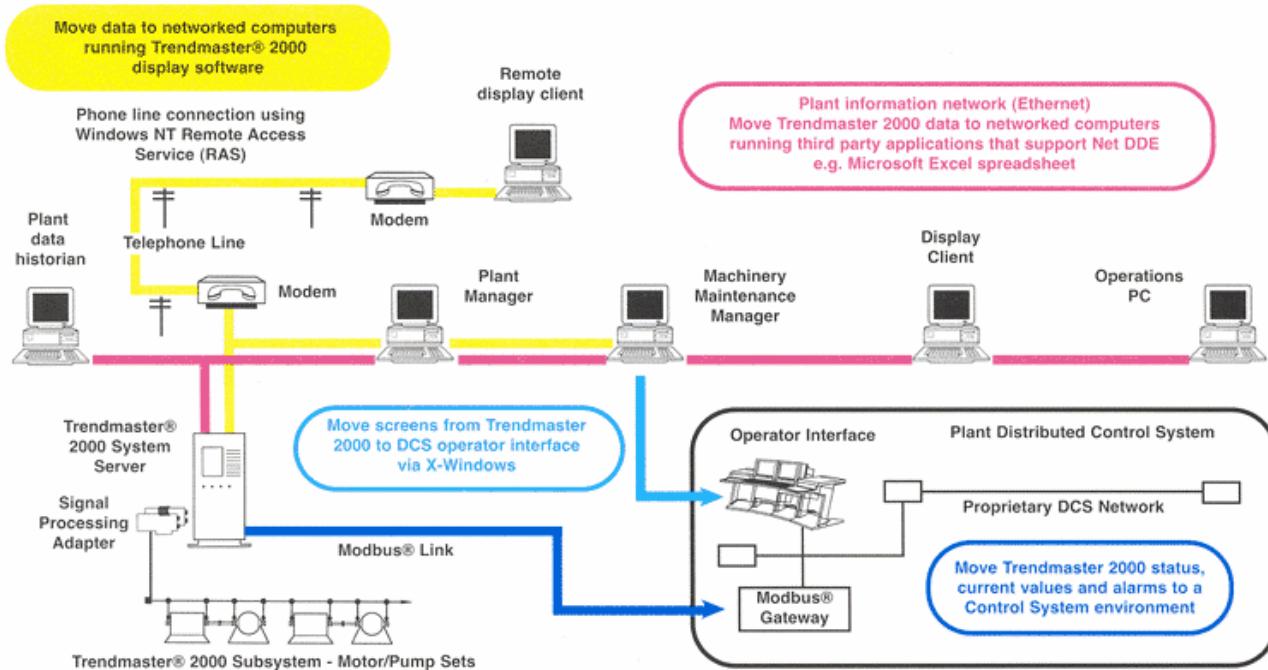


Diagram of Trendmaster® 2000 for Windows connectivity capabilities to plant control and automation systems.